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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/573,054	03/11/2008	Ziping Liu	101232-1P US	8965	
	66 7590 01/07/2010 TRA ZENECA PHARMACEUTICALS LP			EXAMINER	
GLOBAL INTELLECTUAL PROPERTY			SHAMEEM, GOLAM M		
1800 CONCORD PIKE WILMINGTON, DE 19850-5437		ART UNIT	PAPER NUMBER		
			1626		
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/573,054	LIU ET AL.
Office Action Summary	Examiner	Art Unit
	Golam M. M. Shameem	1626
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the c	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING DESTRICTION OF THE MAILING	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tir I will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>06 I</u> This action is FINAL . 2b) ☑ This action is application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro	
Disposition of Claims		
4) Claim(s) 1-5 and 8-16 is/are pending in the ap 4a) Of the above claim(s) 5,8,9 and 11-16 is/a 5) Claim(s) is/are allowed. 6) Claim(s) 1-4 and 10 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/a Application Papers 9) The specification is objected to by the Examin	or election requirement.	
10) The drawing(s) filed on is/are: a) acceptant may not request that any objection to the Replacement drawing sheet(s) including the correct and the oath or declaration is objected to by the E	cepted or b) objected to by the defendance of a drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat* See the attached detailed Office action for a list	nts have been received. Its have been received in Applicationity documents have been received au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 05/12/09; 04/07/09; 08/07/08; 04/10/08;	4) Interview Summary Paper No(s)/Mail D: 5) Notice of Informal F 01/16/08: 6) Other:	ate

DETAILED ACTION

Priority

This application is a 371 of PCT/GB2004/004124 09/24/2004, and the claim of foreign priority under 35 U.S.C. § 119(a)-(d) to Sweden 0302573-1 09/26/2003 is acknowledged.

Status of Claims

Claims 1-5 and 8-16 are currently pending in the application. Claims 6 and 7 were previously canceled.

Receipt is acknowledged of amendment / response filed on November 06, 2009 and that has been entered.

Information Disclosure Statement

Receipt is acknowledged of Information Disclosure Statement (IDS), filed on 05/12/2009, which has been entered in the file.

Response to Election/Restriction

In response to the restriction requirements, Applicants have elected Group I [which includes claims 1-4, and 10], **without** traverse, drawn to a compound of formula I, and the elected species as set forth (Response, page 2), is acknowledged.

Claims 5, 8, 9, and 11-16 are withdrawn from further consideration pursuant to 37 C.F.R. 1.142 (b) as being drawn to a non-elected subject matter. Therefore, the requirement for restriction is still deemed proper.

Applicants preserve their right to file a divisional on the non-elected subject matter.

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As set forth in the restriction requirement and an election of a single compound (or set of

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compounds), the invention will encompass all compounds that fall within the scope of the search

is as follows:

A compound of the formula I wherein:

 R^1 is as claimed except C_{1-10} alkyl, C_{6-10} aryl,

 R^2 is as claimed except C_{1-10} alkyl, C_{6-10} aryl,

 R^3 is as claimed except C_{1-10} alkyl,

R⁴ is as claimed and all other variables are as defined.

As a result of the election and the corresponding scope of the compound identified,

claims 5, 8, 9, and 11-16 and the remaining subject matter of claims 1-4, and 10 are withdrawn

from further consideration pursuant to 37 CFR 1.142 (b) as being drawn to non-elected

inventions. The withdrawn subject matter of claims 5, 8, 9, and 11-16 is properly restricted as it

differs materially in structure and in element from the elected subject matter supra so as to be

patentably distinct there from.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form

the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 and 10 are rejected under 35 U.S.C. § 102(b) as being anticipated by Kuhnke

et al (2001). Applicant claims substituted benzimidazole compounds, compositions and the

methods of use thereof. Kuhnke *et al* also disclose the synthesis of several substituted benzimidazole compounds and at least one of them anticipates the instantly claimed invention wherein R^1 is C_{6-10} aryl (Ph), R^2 is C_{6-10} aryl (Ph), R^3 is C_{1-10} alkyl (n-Pr) and R^4 is hydrogen [STN International, HCAPLUS database, RN number, 350233-20-4, a copy is provided with this Office action], which reads on the instantly claimed compound.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-4, and 10, are rejected under the judicially created doctrine of obviousness-type double patenting, as being unpatentable over claims 1-2 of US 7,550,495 (US '495) since the claims, if allowed, would improperly extend the "right to exclude" already granted in the patent. Although the conflicting claims are not identical, they are not patentably distinct from each other because both sets of claims are drawn to the same art recognized subject matter. A reference anticipating one set of claims will render the other obvious and it would have been obvious to one of ordinary skill in the art at the time of the invention was made since US '495 patent teaches the generic compounds and compositions which are similar to the instantly claimed compounds.

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Claims 1-4, and 10, are rejected under the judicially created doctrine of obviousness-type double patenting, as being unpatentable over claims 1-4, and 10 of co-pending Application No. 10/572,825 (US '825), over claims 1-4, and 10 of co-pending Application No. 10/572,826 (US '826), over claims 1-8, and 13 of co-pending Application No. 12/466,415 (US '415), and also over claims 1-6 and 12 of co-pending Application No. 11/575,691 (US '691). Although the conflicting claims are not identical, they are not patentably distinct from each other because all sets of claims are drawn to the same art recognized subject matter. This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented. The compounds taught by co-pending applications are similar to instant application because a reference anticipating one set of claim will render the other obvious and it would have been obvious to one of ordinary skill in the art at the time of the invention was made since co-pending applications teach the generic compounds, compositions and their methods of use which are similar to the instantly claimed invention.

The subject matter claimed in the instant application is fully disclosed and covered in the co-pending Applications US '825, US '826, US '826, US '415 or US '691. Therefore, the disclosures of US '825, US '826, US '415 or US '691 that teach many permutation and combination substitutions, which would easily place Applicants invention in possession of the public at the time of Applicants invention was filed. The indiscriminate selection of "some" among "many" is *prima facie* obvious, *In re Lemin*, 141 USPQ 814 (1964). Therefore, in the instant case, one skilled in the chemical art would be motivated to choose to replace variable substitutions in permutation and combinations in core formula I to obtain the desired products in view of the known teaching of the art. The claimed compounds are so closely related structurally to the

homologous and /or analogous compounds of the reference as to be structurally obvious therefore, in the absence of any unobviousness or unexpected properties. Moreover, any other differences are but obvious structural modifications, which would be apparent to one skilled in the chemical art that can use similar substitutions, would expect to have the same or essentially the same results. Therefore, in looking at the instantly claimed compounds and their method of uses as a whole, the claimed compounds would have been suggested to one skilled in the art and therefore, is obvious, absent evidence to the contrary.

Objections

Claims 1-4, and 10 are objected to for containing non-elected subject matter. The claims should be amended to exclude non-elected subject matter and within the scope of elected compound.

Telephone Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Golam Shameem, Ph.D. whose telephone number is (571) 272-0706. The examiner can normally be reached on Monday-Thursday from 6:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph McKane, can be reached at (571) 272-0699. The Unofficial fax phone number for this Group is (703) 308-7921. The Official fax phone number for this Group is (571) 273-8300.

When filing a FAX in Technology Center 1600, please indicate in the Header (upper right) "Official" for papers that are to be entered into the file, and "Unofficial" for draft

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documents and other communications with the PTO that are not for entry into the file of the

application. This will expedite processing of your papers.

Communications via Internet e-mail regarding this application, other than those under 35

U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be

addressed to [joseph.mcKane@uspto.gov]. All Internet e-mail communications will be made of

record in the application file. PTO employees will not communicate with applicant via Internet

e-mail where sensitive data will be exchanged or where there exists a possibility that sensitive

data could be identified unless there is of record an express waiver of the confidentiality

requirements under 35 U.S.C. 122 by the applicant. See the Interim Internet Usage Policy

published by the Patent and Trademark Office Official Gazette on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application should be

directed to the Group receptionist, whose telephone number is (571) 272-1600.

/Golam M. M. Shameem/

Primary Examiner

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